

THAT WHICH IS CLAIMED:

1. An energy providing system for an electric vehicle, said system comprising:

a generator for providing electrical energy;

a rotor coupled to said generator;

5 a starter motor for initiating rotation of said rotor.

2. The system of Claim 1 wherein said rotor is rotatably mounted on said generator.

3. The system of Claim 1 wherein said rotor comprises a first portion and a second portion mounted thereto, said first and second portions defining multiple cavities in said rotor.

4. The system of Claim 3 wherein said cavities are radially disposed about the center of said rotor.

5. The electric vehicle of Claim 4 wherein said rotor comprises six cavities.

6. The system of Claim 4 further comprising mobile weights housed within said cavities.

7. The system of Claim 6 wherein said weights are adapted for movement from one end of said cavity to the opposite end of said cavity.

8. The system of Claim 7 wherein said weights include rollers to allow for movement within said cavity.

9. The system of Claim 1 comprising a vehicle having a body with an exterior and an interior wherein said

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10. The system of Claim 9 further comprising a supporting framework, said framework providing attachment of said rotor, said generator and said starter motor to said body interior.

12. The system of Claim 11 wherein said maintaining means comprises a double bearing assembly attached to said framework.